

Rose-Hulman Institute of Technology

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THE ROSE THORN

Vol. 31, No. 26

Rose-Hulman Institute of Technology

Friday, May 3, 1996

Sunrayce to shine again at Rose Solar Phantom Club pursuing a top ten finish at Sunrayce 97

by Jay Shannahan
Thorn Reporter

The Rose-Hulman Solar Phantom Club will be racing the Solar Phantom IV, car #74 in Sunrayce 97. The Solar Phantom IV will be the fourth Sunrayce entry for Rose-Hulman.

The route for Sunrayce 97 will be from Indianapolis, Indiana to Colorado Springs, Colorado, which is the same route used in Sunrayce 95. The first overnight stop for the teams will be at Rose-Hulman. Rose-Hulman is considered to have done a great job of hosting the Sunrayce in 1995, which is a contributing factor to Rose-Hulman being selected as host again.

Dale Long, associate director of communications, commented "We see Sunrayce as a great opportunity to get Rose-Hulman's name out in a broader audience. It's great to have our name associated with the [more famous schools.] It's almost like an engineering convention has come to Rose-Hulman. You got engineering students from among the best engineering schools in [North America] coming to your campus. The teams that were here last June remember where Rose is because we hosted them so well."

Rose-Hulman was successful at hosting the race because of the excellent support that was provided to Sunrayce competitors.

Long explained, "One of the great things last time was our machine shop. Our machine shop was used extensively that first day because that is really a shake-down day, it was a short seventy mile trek, but a lot of teams had problems with

broken wheels, broken axles, and Mike Faulk, the machine shop technician, was being used almost throughout the night [we hosted Sunrayce] repairing cars. [Sunrayce competitors] would have had to find some [local welders] and pay for it. We did that out of the kindness of our heart. Mike [and his staff] did an outstanding job. They saved a lot of teams."

Rose-Hulman received an award for being the best host out of all the overnight stops for Sunrayce 95.

According to Sunrayce co-director Tom Sheffler, "Rose-Hulman was the best overnight stop in Sunrayce 95 and I'm expecting even better things in 1997."

Since the bulk of the construction of Rose-Hulman's new facilities are scheduled to be completed by the time Sunrayce comes through Terre Haute, Rose-Hulman is expected to accommodate guests more adequately during Sunrayce 97.

Also, Sunrayce 97 is expected to benefit from greater awareness of the event in the community.

The Solar Phantom III placed 14th out of 38 schools participating in Sunrayce 95.

Currently the Solar Phantom club is busy working on the Solar Phantom IV in preparation for Sunrayce 97. Additions to the Solar Phantom IV include rebuilding the frame and body, more extensive use of carbon fibers and improvements in aerodynamics.

Also, the club will replace the tires

because a Sunrayce safety ruling bans the use of tires without load specifications or with load specifications that could be deemed "unsafe". The safety ruling restricts the bicycle tires that were part of the Solar Phantom III.

The Solar Phantom club is challenged by problems that result from electric cars being driven differently than gasoline powered cars.

Chris Meyer, a sophomore mechanical engineer and Solar Phantom club chief

operations officer reflected on his Sunrayce 95 driving experience, "[Driving a solar car is] definitely a new experience. It's not the easiest car to drive, so you have to really pay attention and by the time you are done driving [for half a day] you're pretty exhausted.

"When you are driving an electric car you pay a lot more attention to how fast you accelerate. When you come to a stop light,

See "SOLAR PHANTOM" Page 4



Gene Shin and Andy Bradley, senior mechanical engineers and members of the Rose Martial Arts club, duke it out at a martial arts session. The martial arts club will be one of many clubs displaying their talent at the Rose Show tomorrow. Photo by Chris Dolphy

Grant expands model entrepreneurial program

by Pete Anderson
Thorn Reporter

The Entrepreneurial Cooperative Education Program was created last year at Rose-Hulman to encourage engineers to work for small companies or start their own

businesses. The program has recently been expanded with a new grant.

Recent participants in the program have received valuable experience.

In the first year of the program, seven students participated. Two of those students will be employed by the companies they interned at last year, and another student who participated is starting his own company after graduation.

Tim Sherill, a senior computer science major, will be returning to Sagian Inc. of Indianapolis after interning for Sagian last summer.

Rob Waller, a senior mechanical engineer, interned at International Cryogenics Inc. in Indianapolis, and has accepted a job offer from them.

Waller said, "I've always been interested in management, and according to this program, you get to work with someone higher up, and I did."

Scott Loughmiller, a senior computer science major, worked for Software Artistry Inc. in Indianapolis and will be starting his own company upon graduation.

Loughmiller said, "At first

[my company is] going to do internet service, providing internet in Terre Haute, and we're going to use that to start software development."

Loughmiller has several reasons for his decision to start his own company.

Loughmiller said, "I've got some goals that I want to achieve, and working for someone else isn't going to get me there. I've always been extremely independent.

"Working for a big company, if somebody messes up, the company goes down the toilet and you're out of a job, and that's not your fault. If I run my own business and I screw up, then I am out of a job, and that's fine. I can handle that."

Bill Lindstaedt, director of career services, believes that all the students who participated in the program went away with positive experiences.

Lindstaedt said, "I think they all got exposure to people and concepts that they wouldn't have with a different kind of summer job."

Lindstaedt traces the roots of the program back to a conversation he had with Bob Compton, a venture specialist and general partner at CID Equity Partners of Indianapolis. CID Equity Partners is a venture

capitalist, which invests in new companies.

Lindstaedt explained, "[Compton's] frustration has been that you may hire an MBA who knows how to run a business but may not know anything about technology."

According to Lindstaedt, the problem is business majors don't know much about engineering, and engineering majors don't

know much about business.

Lindstaedt and Compton developed the entrepreneurial education program to address this problem.

In addition, the program should help create small companies, which are considered very important for job market growth.

See "GRANT" Page 5

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Inspiring future engineers through the Rose Show. See pages 6 and 7.



Rose-Hulman is seeking information about the identity and/or whereabouts of this individual. This person may have information pertaining to a reported theft last week on campus. If you can be of help regarding this request, contact Jess Lucas, dean of students, at 877-8230. Rose-Hulman is offering a reward for information leading to identification.

**GATHERINGS****Friday, May 3**

Thesis Defense, "System Software For The AN/WQM 6A(V) Sonar Acoustic Target Source," Jeremy Steele, B-108, 9 a.m.

Thesis Defense, "Design Of A Frequency-Selective Fiber Optic Vibration Sensor," Chandra Kakani, D-111, 10:50 a.m.

Gun Club Range Setup, Gun Club Room, 3:30 p.m.

Saturday, May 4

Honors & Awards Banquet, Main Dining Room, Hulman Union, 5:30 p.m.

Gun Club Shooting Day, Gun Club Room, 8 a.m.

Monday, May 6

Forum On Group Insurance Benefits, North Room, Hulman Union, 11:30 a.m. to 1 p.m.

Tuesday, May 7

Thesis Defense, "Computer-Based Prediction Of Gas Turbine NOx Emission And Control," Katrin Engel, O-110, 8:30 a.m.

Thesis Defense, "Development Of A Fiber-Optic Absorption Based Chemical Sensor," Laura Tougaw, G-219, 2:30 p.m.

Institute Meeting, E-104, 4:30 p.m.

Commencement Rehearsal/Senior Class Class Photo, Moench Hall Auditorium, 4:30 p.m.

Wednesday, May 8

President's Administrative Council, North Room, 8 a.m.

Graduate Seminars, GM Room, 10:50 a.m.

• "Feasibility Of The Improved Telecommunications Equipment For The Deaf-Blind," Danlin Xiang

• "The Evaluation Of Stress Concentration Factors In Flat Plates Using Finite Element And Photoelastic Analyses," Xia Jiang

• "Broadening The Frequency Range Of A Helmholtz Resonator By Using Damping Materials," Dietmar Reiss

Women's Club Luncheon, "Stress Management," Boston Connection Conference Center

Thursday, May 9

Seminar, "Career Issues For Women In Engineering (Post Graduate)," Erin Lowery, O-101, 4:20-4:50 p.m.

Order Of The Engineer Ceremony, North Room, Hulman Union, 8 p.m.

Wednesday, May 15

Army ROTC Leadership Lab, 7:30 a.m.

President's Administrative Council, North Room, 8 a.m.

Graduate Seminars, GM Room, 10:50 a.m.

• "Speech Recognition," Yidong Li

• "Parallel Algorithms And Fault Tolerance For Linear And Nonlinear Simultaneous Equations Using T800 Family Transputers," Prashant Tawade

• "Improved Design And Characterization Of A Furnace Atomization Plasma Excitation Spectroscopy Unit," Matthew Cole

Thursday, May 16

Army ROTC Cadre Awards, Faculty/Staff Lounge, Moench Hall, 11 a.m.

**FUN STUFF****Friday, May 3**

Delta Sigma Phi Basketball Marathon, Shook

Fieldhouse, 6 p.m. (Through 6 p.m. on Saturday)

Drama Club Musical, "Crazy For You," Moench Hall Auditorium, 8 p.m.

Saturday, May 4

Parent's Day

• Bookstore Open, 10 a.m.

• Lunch, Main Dining Room, 11 a.m. to 1 p.m.

• Martial Arts Exhibition, Field House, 1 p.m.

• Spring Flower Pickup, Hadley Hall Lobby, 11 a.m. to 2 p.m.

• Family Cookout, E.E. Black Recreation Center, 5 p.m.

68th Annual Rose Show, All Buildings, 12 to 3 p.m.

Drama Club Musical, "Crazy For You," Moench Hall Auditorium, 2 & 8 p.m.

Sunday, May 5

Greek Games, Throughout Campus:

• Main Gate Closes, 9:45 a.m.

• Cart Race, Starts At Deming Hall, 10 a.m.

• O-Course, Front Lawn, 10:30 a.m.

• Canoe Race, Speed Lake Beach, 11:30 a.m.

• Picnic, Phil Brown Field, 12:30 p.m.

• Mystery Event, Phil Brown Field, 2 p.m.

• Tug-O-War, Phil Brown Field, 2:45 p.m.

• 15-Man Pyramid Contest, Phil Brown Field, 4 p.m.

• Awards Presentation, Phil Brown Field, 5 p.m.

Drama Club Musical, "Crazy For You," Moench Hall Auditorium, 2 p.m.

Tuesday, May 7

Senior Class Picnic, E.E. Black Center, 5:30 p.m.

Friday, May 10

Spring Carnival, Near Speed Residence Hall, Afternoon

Saturday, May 11

SAB Gold Scramble, Rea Park Golf Course

**COMPETITION****Saturday, May 4**

Baseball, DePauw University, Art Nehf Field, 1 p.m.

Track, at DePauw University, Greencastle, 11 a.m.

Sunday, May 5

Baseball, MacMurray College, Art Nehf Field, 1:30 p.m.

Friday, May 10

Baseball, ICAC Tournament, Site To Be Determined

Saturday, May 11

Baseball, ICAC Tournament, Site To Be Determined

Sunday, May 12

Baseball, ICAC Tournament, Site To Be Determined (If Necessary)

Tuesday, May 21

Track, at NCAA Division III National Championships

Submissions To Campus Events

Events may be published in *Campus Events* by any organization or individual. Information on club meetings, lectures/speeches, and athletic events, including announcements of times and locations may be submitted to *Campus Calendar*, in care of Dale Long, associate director of communications, at Box 14 or extension 8418. More detailed articles containing plans, agendas, and specific information should be submitted to the *Rose Thorn*.

All submissions must be made by Wednesday, at noon, in order to be published in *Campus Events* in the *Rose Thorn* on Friday.

The IEEE Power Engineering Society Central Indiana Chapter presented the following awards to Rose-Hulman ECE students: Jon Davis received the Outstanding Senior Award, the Outstanding Senior Project Award went to James Cole, Daniel Fox, Eric Hansen and Sean Phillips. The Outstanding Junior Award was presented to Anthony Heap.

**Rose Drama Club's
Spring Musical Production**

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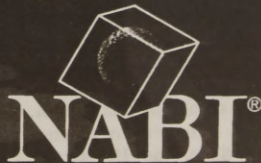
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Don't censor my homepage SGA



Gregory Hawkins

Thorn
Columnist

States are suing cigarette companies for "making" more cancer patients. The military is removing Playboys/Playgirls from military bases. A man is suing Donahue because he had an accident as he drove by gawking at the star. Something is wrong with America's train of thought, or better yet lack of thought.

What's next?! Something completely illogical like our Student Government Association censoring students. Oh! Wait a minute folks, I'm picking up something (beep-beep-beep) live from my senator grapevine (beep-beep-beep). It... sounds... like the SGA has voted... to begin censoring... the pages on Rose-Hulman's Web site.

Although, this seems extraordinarily ignorant *our* SGA is doing this to *us*! This is unbelievable. The Student Government Association has no jurisdiction over that arena.

According to the Rose-Hulman Campus Life Handbook for the 1995-96 year, the "SGA... exercises general control over clubs and organizations receiving SGA funds." The last time that I checked, I was giving SGA \$30 per quarter. It really amazes me that after the SGA does really well with improving *free* student life like providing the funds for a Black History Month Program and helping to institute Spanish Language studies on campus, that they do something completely ridiculous like censoring the pages that students post on Rose-Hulman's page.

A few professors voice the fact that there is no room for "filth" (as they call it) on Rose-Hulman's Web Site. Who are they, to limit a student's freedom of expression?! If they don't like what they are seeing, *then don't look at it!* In a school that should encourage free and organized thinking, I am quite appalled that any professors would even waste the time to consider this notion.

According to the Rose-Hulman Web Site, and many other World Wide Web service providers, they "are not responsible for the contents of any personal or group pages. That responsibility

lies with the person who created that particular page." When limiting a person's freedom of speech is such a controversial issue, especially when those persons are limiting are the major reason that you exist, why would they attack a subject like this. It is a shame that this right-wing-anal-conservative attitude always rears its ugly head to assume control in situations in which it has no authority.

Then you have those that say that Rose provides the service so they can limit it as much as they want. Well, who provides much of the money that allows Rose to provide such a service. We (and those who used to be us) do. So why are we limiting *ourselves*. Yes, it's ludicrous. Now we have to deal with the issue of what committee in SGA will censor these pages. Let's think... The Unnecessary Committee on a Bureaucratic Waste of Time. Yeah, that sounds about right.

Those who made this decision also have to take into account that you must treat everyone equally. Let's assume I am an atheist, this means that everyone with Christian philosophy laden pages has to remove them because the pages offend me and those people

Letters to the Editor Cyclist's life threatened

Last week, while the bicycle I commute with was locked up outside, someone loosened the quick-release lever which holds the front wheel of the bike in place. Fortunately, I picked up the bike before riding it — the wheel fell off before I even got on. But I very easily could have started riding without noticing the sabotage had I not lifted the bike from the ground.

Whoever did this probably thought of it merely as a practical joke. However, please understand, I view this as an attempt on my life. I do not own a car. Since I live off-campus, I commute on this bike — in good weather and in bad, day or night. Often the cars on Wabash Avenue leave only a foot or two of clearance between me and them as they pass. If that wheel falls off on Wabash Avenue, I quite likely die. If you are the one who did this, be informed that whether you knew it or not, you tried to kill me. Granted, Heaven isn't such a bad place, but do you really want to be the one to send me there?

Ken Luebeck, (CE '96)

have no right to impose their philosophy upon me. Does it sound absurd? If it does, get ready for Armageddon because this bill can't fly, and the student body should not accept it. I know that SGA has the better interest of the students at heart, but limiting a student in their "pursuit of happiness," however it may be, is the wrong way to express that feeling. This will ultimately cause

the student body to lose faith in the fact that their best interest are really what's at heart.

Greg Hawkins (ME '97) is from Gary, IN, an RA on D0 and a member of DSP, SAE, and NSBE. He is also an adamant Tommy Hilfiger buyer and fan. He invites anyone who needs an opinion or one of the very few vocal campus liberals to give him a call at x8823.

Integrity should be the priority to stand the test of time



Brian Teegardin

Guest
Columnist

As I sat in the front lobby of Moench hall waiting for class to start the other day, my eyes drifted to the artwork around me. "I had time to kill, so why not explore these pictures further?" I asked myself. One picture caught my eye. It was an old wide angle photo of Rose men, professors, and staff, circa 1910. As I gazed at this photo, I wondered, "what was it like then? Did this group deal with the same apathy that battles the students today? Have we let them down with our lack of a victory over the apathy beast?"

Many articles have been written about this mysterious enemy, and likely many more will. What is the cause anyway?

Why do we always seem to fall in it? Is it because we, as students, have seen the top of the world, and it appeared different than we had hoped? Do we long for the optimism and for a time when the top seemed a distant, yet reachable goal? Where is that insatiable drive that pushed us to the head of the class in high school?

I have thought about this many times, and think I have some answers. As engineers, we tend to "pigeonhole" things — projects, clubs, plans, campaigns to promote school spirit, homework — all get labeled and stuck on a shelf in our minds somewhere, with a schedule taped up along side it: "I have to get this done by..."

This is just part of our personality, part of what makes us engineers. In high school, this worked fine, as we had enough "shelf space" to keep track of everything. The operating system was happy. All the files were in the right directories.

Then college, particularly Rose, hit. The operating system looks at the task at hand and says, "okay, I can handle this." Big mistake.

Disguised as high school, Rose comes at the operating system like pkzip300, (a trojan horse virus, if you haven't heard by now). The operating system is forced to run at what seems like an insane amount of speed, stuffing papers here, clubs there, projects over there, and eventually the operating system shuts down, in need of rest. Details get lost. The shelf gets disorganized and everything comes crashing down to one big heap on the floor.

Now, mind you, we're engineers. We can't stand disorder. What this leads to is depression, because we expect perfection, or close to it, and haven't attained it. Depression leads to apathy, and the cycle begins. "I need to get things straightened up," we tell ourselves. But what happens is that this becomes

another item on the list of things to do. More apathy, and so the cycle continues.

Several recent events have led me to believe that we are not winning this battle. Recently, the copier was removed from commons due to vandalism. I'm sure that in earlier years, this would have been unheard of. There has been a substantial increase in the number of thefts over the past few years. Have we no class left? No honor? Where are the outcries I once heard when the Berlin Wall pieces were stolen?

So, where does that leave us? Are we doomed to being stuck in this apathy cycle? No. But to correct the situation, we need a change of operating systems. Any network manager can tell you that this is never easy. It takes a lot of work. It often involves several failed attempts before the new system can run flawlessly. What I am talking about here is a change of heart, which would coincide with

improving the general Rose spirit. For I believe that it is this which limits us. No campaign designed by any well-meaning administration member can fully do the job. Why? Because the students will recognize it as such and file it away just like everything else.

The students ultimately hold the school spirit in their actions, deeds, words, attitudes, and outlook. Do something, anything to improve school spirit. Any little smile, word of encouragement, friendly deed, will do. Just make an effort to ditch the apathy and eventually, the battle will swing in our favor.

Let's leave this school a better place than when we entered it. Someday, we too may be peered at in an old photograph, and the question asked: "What was it like, then?"

Brian Teegardin is a ME '97 from Angola, Indiana.

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"Working to keep the Rose-Hulman community informed by providing an accurate and dependable source for news and information."

The Rose Thorn is published on Fridays at Rose-Hulman Institute of Technology.

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The Rose Thorn welcomes letters and comments from its readers. We request that all letters to the editor be less than 300 words long. The editors reserve the right to edit letters for grammar, clarity and length (if over 300 words). All letters to the editor must contain the writer's signature, class year and phone number. All submissions will be confirmed before publication. Letters may be sent by electronic mail to Thorn@Rose-Hulman.edu, but still must contain the writer's phone number for confirmation. For prompt publication, letters should be typewritten or printed by computer. All letters for an issue of the Thorn must be received before noon on the Tuesday prior to publication.

We would like to remind our readers that the views expressed in the Thorn do not necessarily represent the opinions of anyone other than the original author.

Web Page: <http://www.rose-hulman.edu/Users/groups/Thorn/HTML/index.html>

New class presidents elected

by Craig Lyjak
SGA Publicity Director

Class president elections were held this week. 242 students voted for candidates for senior class president, junior class president and sophomore class president.

Vince Valenzuela, a mechanical engineer from Vevay, Indiana, was re-elected class president and will serve as senior class president next year.

Valenzuela has been very active in SGA, serving as a senator, sophomore class president, and junior class president. Also, Valenzuela is vice president of Pi Kappa Alpha fraternity and Interfraternity Council.

Carl Hartmann, a chemical engineer from Avon, Indiana, was elected junior class president.

Hartmann is a former SGA senator

and is an active member of Phi Gamma Delta fraternity.

Hartmann was selected to Alpha Lambda Delta honor fraternity in his freshmen year. Hartmann plans to take an active role in SGA and to serve as a correspondent for the junior class. Hartmann will also address the needs of the junior class and coordinate the junior class trip.

Jim Teeter, a chemical engineer from Grand Rapids, Michigan, was elected sophomore class president.

Teeter is a member of Phi Gamma Delta Fraternity and is currently seeking to establish a campus environmental awareness organization. Teeter hopes to help increase student involvement in campus organizations and is very eager to work as a representative of his class.

"SOLAR PHANTOM" CONTINUED FROM PAGE 1

you try not to stop. If you can slow down real slowly and just keep a little bit of momentum until the light turns green it helps a lot. When you are going up and down rolling hills, you try to accelerate on the down part and use the minimum amount [of acceleration] to get up to the top of the next hill."

Solar Phantom club enthusiasm is high in anticipation of Sunrayce 97. The club has set a goal to finish in the top ten and is working on getting their car to reach a top speed of 55 miles per hour.

According to Kyle Pinches, a freshman computer engineer, "We are really encouraged by Rose's finish last year and

expect it to be better next year during Sunrayce 97 and there's always room for new students [to contribute their efforts]."

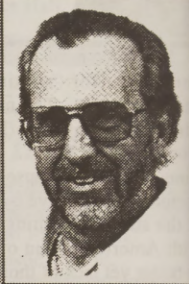
The Solar Phantom club is also planning a partnership with the Kanazawa Institute of Technology in Japan. The joint effort should produce a solar car to race in the World Solar Challenge, an 1800 mile international solar race in Australia scheduled for 1999. The World Solar Challenge entry will compete against major corporations such as General Motors and Honda in addition to racing other schools.

Solar Phantom club meetings are every Wednesday evening at 7 pm in B-108. Anyone interested in joining the club is encouraged to attend. The Solar Phantom club and their car can also be seen at the Rose Show on May 4.

Faculty Spotlight

by Michael Lensi
Thorn Columnist

Wilford P. Stratten is a Professor of Life Sciences at Rose. Stratten received his Ph.D. in physiology from Indiana University in 1969 and he graduated from Rose with a B.S. in Physics in 1964. Stratten discusses the 1960's, his interest in Biology and his work on Parkinson's disease.



Professor Stratten

Lensi: How does Rose in the nineties compare with Rose in the sixties?

Stratten: The sixties was a golden age, when everyone had the golden dream and everyone had hopes that they were going to fulfill that dream. I think that there was a lot more drive from individuals even by those who didn't have strong academic credentials. There was a drive that is absent in some students today. [Today] people work hard, go to school, and still may not get a job for a long time. Discouraging situations like that tend to change the motivation in some people.

Lensi: Do you think that this is a false hopelessness?

Stratten: Well I think the hopelessness, if you want to call it that, is as real as the intensity of the belief of the individual who has it; that's what decides the reality of it. In our culture there are more opportunities than there were thirty-five years ago for individuals in the engineering and sciences, but it's far, far more competitive. What you really truly believe down in the core of your being will be what manifests. If you have a lot of hope and you're basically kicking butt and working yourself very hard with high hopes and positive thinking then the little discouragements along the way don't get in your way that much.

Lensi: It seems odd to me that you would choose biology after graduating from an engineering school.

Stratten: Well, I was majoring in physics when I was here and as time progressed I realized that there was going to be some problems with me and physics, and that there was not enough of a human component. I really felt that it was imperative to do something more directly connected with humanity. I didn't know what that was until my senior year, when I took a course in bio-physics. It sort of changed my view of things as to how I might be able to apply my education. I decided to apply to Indiana University for a Ph.D. in physiology. They had a number of grants having to do with the space program, and they were really hungry at the time for someone with a quantitative background that was physics or science related. That's how I entered the biological realm; I took my Ph.D. in physiology and a minor in neuro-physiology and psychology. At that time I was most interested in the perceptual sciences involving vision, photo receptors, brain function, reflexes and tactile senses.

Lensi: Did you start teaching right after you got your Ph.D.?

Stratten: No, I studied for a post-doctoral degree at the University of Utah for a year and a half. I was doing research on basic visual receptors. Then, I worked for Pfizer Medical Research Labs in Connecticut for four years. Pfizer was working on psycho-active drugs and I worked on drugs involved in Parkinson's disease. After budget cuts at Pfizer I started teaching at the Bowman Grey School of Medicine.

Lensi: What was the most exciting research activity or project you've worked on in industry?

Stratten: I think one of the most rewarding activities for me involved a simple behavioral instrument that I developed to test potential anti-Parkinson's drugs. It had to do with a rat's behavior of circling which occurs when there's a dopamine disruption. Dopamine disruption is what occurs in Parkinson's.

Lensi: What is Parkinson's disease?

Stratten: Parkinson's disease and usually strikes older individuals resulting from the total degeneration of a type of nucleus in the brain known as substantia nigra. A substantia nigra is a buffer for the motor nuclei in the brain. It keeps the motor nuclei from overshooting by acting as a damper so if you overshoot you immediately dampen to the control centerline. You'll see Parkinson's disease manifest in the form of a hand motion called pill rolling with the thumb and the forefinger continually moving back and forth across each other. It is also exhibited by the neck in which case the neck keeps going back and forth instead of staying in the midline.

IEEE awards top honors to Rose students

The Rose-Hulman electrical and computer engineering department would like to congratulate the students who were recognized for their achievements by the Institute of Electronic and Electrical Engineers (IEEE).

The central Indiana chapter of the IEEE Power Engineering Society presented Jon Davis with the Outstanding Senior Award, Anthony Heap with the Outstanding Junior Award and James

Cole, Daniel Fox, Eric Hansen and Sean Phillips with the Outstanding Senior Project Award.

The senior project work included converting Moench Hall air conditioner controls from analog to digital and conducting fault and coordination studies for Colter Food Science Inc. in Terre Haute and KPT industries, a ceramic tile company based in Bloomington, Indiana.

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3-item	3.20	7.90	9.20	10.50
4-item	3.50	8.70	10.10	11.50

Additional Menu Items

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Knots or Butter Knots	...	1.60
Garlic Bread	1.45
Garlic Bread & Cheese	..	1.95
Hot Wings (10 pcs.)	3.50
BBQ Wings (10 pcs.)	3.50
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Works Items: Pepperoni, Sausage, Mushrooms, Onions, Green Olives, and Green Peppers.

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SPECIAL: 2 sandwiches for \$5.90

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Hoagie - Ham, Salami, Provolone Cheese, Lettuce, Tomatoes, Onions, Spices	3.45
Stromboli - Pizza Sauce, Sausage, Cheese, Spices	3.45
Barbeque Stromboli - BBQ Sauce, Sausage, Cheese, Spices, Onions	.....	3.45
Pepperoli - Pizza Sauce, Pepperoni, Cheese, Spices	.....	3.45
Submarine - Pizza Sauce, Salami, Canadian Bacon, Cheese, Spices	.....	3.45
Gyro - Lamb & Beef, Onions, Tomatoes, Sour Cream on Pita Bread	.....	3.45

Roast Beef - Roast Beef, Onions, Provolone Cheese	.....	3.95
Turkey Club - Turkey Breast, Fresh Bacon Bits, Lettuce, Tomatoes, Onions & Mayo	.....	3.95
Meatball - Meatballs, Spaghetti Sauce, Cheese, Spices	.....	3.95
Italian Beef - Served with onion & provolone cheese on our Fresh Sub Bun	.....	3.95
Pork BBQ Sandwich - Served with onion on our Fresh Sub Bun	.....	3.95
Beef BBQ Sandwich - Served with onion on our Fresh Sub Bun	.....	3.95
Chicken BBQ Sandwich - Served with onion on our Fresh Sub Bun	.....	3.95
Steak Hoagie - Steak, onions & provolone cheese on our Fresh Sub Bun	.....	3.95
Ex. Veg. - 30¢	Ex. Cheese - 50¢	Ex. Meat - \$1.00

Reg. Salad	.....	\$1.45	Chef Salad	.....	\$3.50
Drinks	.....	95¢	Pitchers, Soft Drink	.....	2.75

Prices do not include tax (Jan 94)

Class of 2000 is best ever despite financial aid delays

by Thomas Hill
News Editor

Rose-Hulman set a recruitment goal of 400 students for the class of 2000 in accordance with budget and long term goals.

The admissions office received over 400 deposits minus cancellations from prospective students as of May 1, the original deadline for deposits.

The federal government shutdown and administrative computer network problems both contributed to a delay in financial aid reports to prospective students.

The financial aid report delay only had psychological effects on efforts to meet the recruitment goal.

Rose-Hulman President Samuel Hulbert elaborated, "[Meeting the recruitment goal]

was more nerve racking than usual with the government shutdown and the financial aid packages coming out late. It just delayed things a month."

A large portion of the deposits were received closer to the deadline than usual. Rose-Hulman extended the deadline to submit deposits to May 15.

According to Chuck Howard, dean of admissions, many colleges across the nation, including Rose-Hulman, have extended the traditional May 1 deadline for students to make enrollment decisions.

The recruitment goal was increased to 400 students to meet a long term goal of 1600 undergraduate students.

Annual recruitment goals are expected to be gradually elevated to 500 students

over a ten year span. Since an incoming class decreases in size after the freshman year, a 500 student incoming class would require to sustain a total of 1600 undergraduate students.

The long term goal of 1600 undergraduate students is expected to maintain personal attention for students while also taking advantage of the economies of scale.

Hulbert mentioned offering a greater diversity of humanities and electives courses, offering more biological science courses and increasing women's athletics without hurting men's athletics as possible benefits of an increased number of students.

Increasing the class size to 400 and encountering financial aid delays hasn't

deterred from the qualifications of applicants.

According to Hulbert, "Incoming class credentials will be equal to or even better than last year's credentials which were the best in the school's history."

Coeducation has been attributed as a major reason the incoming classes have better academic qualifications.

According to Hulbert "Coeducation was good for everything on campus. The environment has improved. The conversations are better. People are more upbeat. Students are exceptionally hard working even though there is mud and dirt all over the place.

"I think people just feel better in general [about Rose-Hulman]. Coeducation is a contributing factor."

"GRANT"

CONTINUED FROM PAGE 1

The first year of the program was funded from money donated by Compton through the Kauffman Foundation. Compton sits on the board of the Kauffman Foundation, and is compensated for being on the board. Compton donated his board fees to Rose-Hulman to start this program.

Lindstaedt, Tom Mason, professor of economics and Richard Boyce, director of corporate and foundation relations submitted a proposal for a grant to the Ewing Marion Kauffman Foundation, in Kansas City, Missouri to develop the program.

The Kauffman Foundation created a \$1 million grant to go to schools that begin similar programs. A total of 26 schools received money from the grant.

The Kauffman Foundation recently awarded Rose-Hulman \$36,000. The entrepreneurial education program at Rose-Hulman is being used as a model. The grant money is slated to be sent at the end of the month.

Grant money is used to help pay the salaries of the participating students, since they will be working at small companies that normally aren't able to hire summer employees.

Companies involved in the program must provide technology-oriented products. Also, the company must provide the student with the opportunity to work on a meaningful project and report to the CEO or Vice-President of Engineering.

Lindstaedt believes this program is a win-win situation.

Lindstaedt elaborated "Companies win because companies that may not be able to afford to hire a summer intern get summer help. The student wins because they get an excellent engineering experience and are also

mentored by a top executive at the company. The student gets exposed to what else goes on besides engineering."

Lindstaedt regards it as very important for those who want to start their own business to have had exposure with how the business end of a company is run.

Lindstaedt said "A student who wants to get involved in starting their own company also needs to be well versed in the business aspects. [The entrepreneurial education program] is a lot of work for the students. This is a learning experience in more ways than just engineering.

"Skills needed for success in a small company are very different. They can't afford to send you through a lengthy training program; they need you to be able to contribute immediately and wear a lot of different hats. This is a way to prepare students to develop these skills early."

Selected participants are required to read Peter Drucker's "Innovation and Entrepreneurship" and write a paper evaluating the company using Drucker's principles. In addition participants will be required, as of next year, to take SO 450, The Entrepreneur, a Rose-Hulman course taught by Thomas Mason, professor of economics.

Lindstaedt explained "We want to make sure we have students in the program who have a high level of desire to work in small companies."

A meeting for students interested in the entrepreneurial program will be held in October.

The Rose Bureaucrat

by Craig Lyjak

Tom Roper, vice president of planning and data systems, served as the keynote speaker for the April 30 SGA Senate meeting. Roper discussed the selected laptop computer for the incoming freshman class.

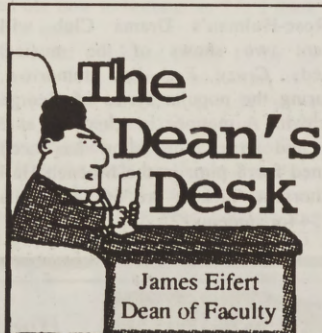
Shawn Eads, SGA president, reported that 13 individuals were selected to receive honor keys this year and his student/faculty committee selections will be announced soon.

Matt Wam, current sophomore class president, announced that unless there is an increase in replies for the sophomore class trip, it will be canceled, because too few replies were received.

Matt Wam, SGA treasurer, presented a funding request from the Rose Bands for a new tuba. The senate approved the SGA finance committee recommendation for the full amount of \$3176 requested.

Also, the Roller Hockey Club requested \$575 for helmets that are required for tournament play. The senate approved the finance committee recommendation for the full amount the Roller Hockey Club requested.

In addition, the SGA executive committee was granted \$1420 for the purchase of honor keys this year.



Question: If I have a disagreement with a faculty member, how do I go about resolving it?

Answer: That depends. If it is about a grade or something to do directly with the class you are in, then the place to start is with that faculty member. It's always best to resolve issues as close to the source as possible. If you cannot come to some mutually agreeable solution with the faculty member, then the next

recourse you have is to the department head in the faculty member's department. If that does not solve your problem, then you should come to see me. If you and I can't solve the problem, the president is your final stop.

You can certainly jump over one or two stops in this sequence if you like but it probably won't save you any time. For example, when you come to see me, I will always ask if you have worked with the faculty member and the department head. If you haven't, I'll insist that you work with them to try to resolve the problem before I'll consider doing anything.

The most difficult thing for a department head or the dean or president to do is to overrule the judgement of a faculty member. In only the most exceptional cases would such a thing occur. To have the dean tell a faculty member that he or she must change a grade is a significant intrusion on the turf of that faculty member. We hire faculty members for their specific expertise in a particular subject area and for their abilities as teachers in general. For me to then step in and tell one of them that they are incorrect and must change a decision is tantamount to a statement that I know better than they do just what was involved in a situation in which they were directly involved; that's rarely true. Rare does not mean never, however, and even though I will always try to get you to speak with the faculty members before talking to anyone else, I am always glad to talk things over with you before you go back and try to resolve the situation with the faculty member involved.

If the matter is one of harassment, discrimination, or some other non-academic matter and you are not comfortable speaking directly with the person who you feel has caused the problem, then please feel free to discuss the matter with any faculty or staff member with whom you feel comfortable. Your faculty advisor, the members of the Student Affairs staff, department heads, or I will be glad to review the situation with you and work to resolve the problem.

In any matters of concern to you, I can assure you that your discussions with me will be held confidential from all others if you wish. That is, if we discuss the situation and decide not to do anything, I will certainly not tell the other person that you have spoken with me. The confidentiality of our conversation will always be at your discretion.

Very few of these sorts of situations arise. If one does surface in your life, however, talk to someone. The first choice should always be the person with whom you have a difference of opinion; the two of you are in the best position to create a swift, amicable and fair resolution of the issue.

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Showing that 'science, engineering and mathematics are fun'

How can sewage be purified into safe drinking water? How is nylon made? What are the characteristics of a strong bridge?

Students supply answers to these questions at Rose-Hulman Institute of Technology's Rose Show held tomorrow from noon to 3 p.m.

"The Rose Show is designed to show the public that science, engineering and mathematics are fun. There's something for everyone," said Mike Rubin, president of Rose-Hulman's Blue Key National Honor Fraternity, the event's organizers.

"Our students take great pride in showing off their experiments to their parents, friends and campus visitors," Rubin concluded.

Now in its 68th year, the event showcases experiments and projects completed by Rose-Hulman students during the 1995-96 academic year and gives parents, the Rose family and area residents an opportunity to take a behind-the-scenes tour of all campus academic departments.

In addition, several student organizations will exhibit projects detailing their activities during the year in Hadley Hall.

The Rose Show is highlighted by the annual Balsa Wood Bridge-Busting Contest. The event, always a crowd favorite, tests the strength of model balsa wood bridges constructed by freshman civil engineering students. The contest is scheduled from 12:30-1:30 p.m. in the GM Room of Moench Hall.

Racing fans can match their driving skills against a computer. Image processing techniques allow persons to control a remote control car in a race

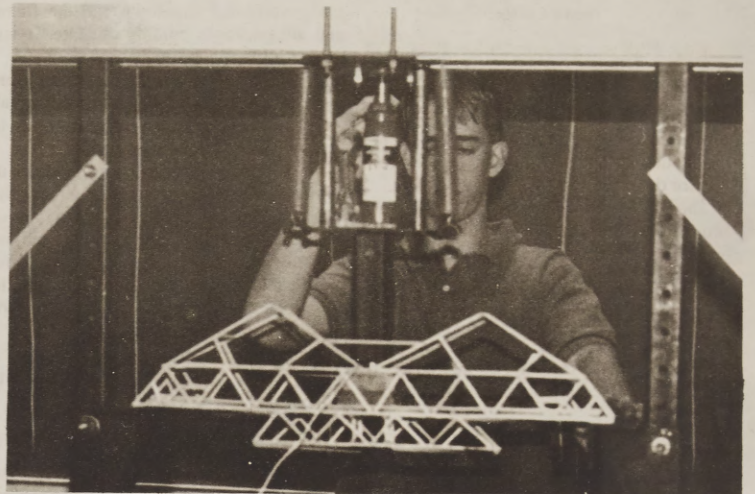
against a computer-assisted car. The program was developed by John Goodhue, a senior electrical engineering major. The demonstrations are planned from noon to 3 p.m. in Room B-100 of Moench Hall.

Members of Rose-Hulman's American Institute of Chemical Engineers will demonstrate how sewage can be converted into drinking water, colorless Kool-Aid and the purification of ethanol. Experiments will run continuously from noon to 3 p.m. in the High Bay Laboratory area of Olin Hall.

Chemistry and chemical engineering students will explore the mysteries and fundamentals of chemistry. The show will feature demonstrations on the composition of slime and nylon. The show is scheduled from 1:15 to 2 p.m. in Room E-104 of Moench Hall.

Guests can catch a glimpse of Rose-Hulman's Solar Phantom solar-powered car which competed in last summer's Sunrayce cross-country road race, the Grayback human-powered submarine that participated in this year's World Submarine Invitational in San Diego, California and an autonomous flying robot that will compete in a national contest in July.

Rose-Hulman's Drama Club will present two shows of the musical comedy *Crazy For You* tomorrow, featuring the popular lyrics of George Gershwin. A matinee is scheduled at 2 p.m. and an evening show has been planned for 8 p.m. in the Moench Hall Auditorium. Tickets are \$6 for adults and \$4 for students.



Under pressure

Civil engineering students test bridges of their own design tomorrow. The Balsa Bridge Bust has become a staple of the Rose Show. This year's contest will be held from 12:30 p.m. to 1:30 p.m. in the GM Room. The Civil Engineering Department is also sponsoring the Concrete Cylinder Bust in the Soils Lab from 1:30 p.m. to 2:30 p.m. and demonstrations of civil engineering laboratory equipment throughout the day.

File Photo

Special Events	Location	Time
Mousetrap Car Races	Commons	11 a.m.
Bridge Busting Contest	Gm Room	12:30 - 1:30 p.m.
Chemistry Show	E-104	1:15 - 2 p.m.
Concrete Cylinder Bust	Soils Lab	1:30 - 2:30 p.m.
<i>Crazy for You</i>	Auditorium	2 p.m. and 8 p.m.

Spring Flowers

The Alpha Phi Omega service fraternity welcomes all mother to campus by offering spring flower corsages.

The cost is \$7.

Rose Show Overview

Participating Departments

Biomedical Engineering
Chemical Engineering
Chemistry
Civil Engineering
Computer Science
Electrical Engineering
Mechanical Engineering
Physics & Applied Optics

Participating Clubs

Aerial Robotics Club
Circle K
Gun Club
Drama Club
Martial Arts Club
Model Railroad Club
SCUBA Club
Solar Phantom
Team Rose Motorsports

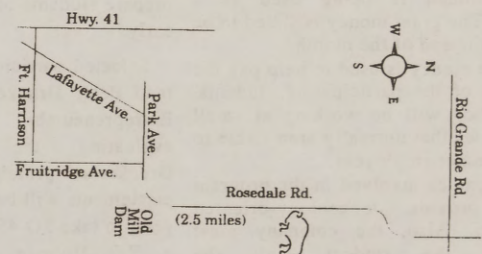


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Kurt Pershing
owner / mgr.

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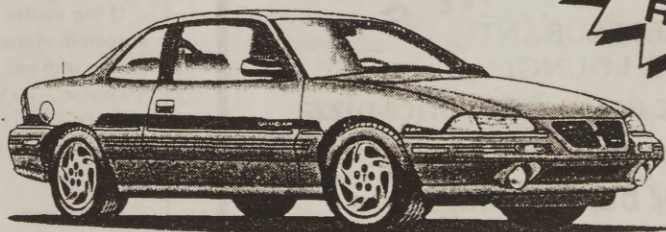
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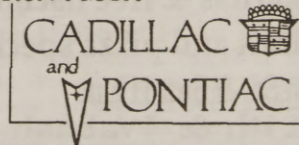
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Tryouts for Ben-Hur

The cart races are only a part of the Greek Games festivities. Other spirited events include the tug-or-war and the human pyramid-building contests. The games will be held on Sunday from 9 a.m. to 3 p.m. throughout campus.

File Photo

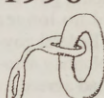
Catch the Fighting Engineers Battle Depauw

The Rose-Hulman baseball teams plays for home-field advantage in the upcoming ICAC Tournament in double-header action against rival Depauw, tomorrow at 1 p.m. at Art Nehf Field.

Course Announcements for Fall 1996



Are these two things the same?
What does "being the same" even mean?



How do mathematicians visualize objects in 4-dimensional?
Are Möbius bands and Klein bottles just novelties, or do they have some real mathematical significance?
What is topology?
How is it related to other areas of mathematics? And what are its applications?
What is the essential mathematical nature of continuity?

If any of these questions intrigue you, then maybe this course is for you!

MA307 INTRODUCTION TO TOPOLOGY I FALL 1996

Period 5 MTRF, Professor Carlson, 4 credits

Prerequisite: MA202 or permission of instructor

An investigation of basic notions of topology, especially surfaces. Topics will include:

- intuitive ideas of point-set topology
- one-dimensional manifolds, knots, and knot invariants
- two-dimensional manifolds, compact surfaces, and their classification
- the Euler characteristic
- patterns and complexes on surfaces
- coloring maps and on surfaces
- embedding graphs in surfaces
- vector fields and systems of differential equations

This course is recommended for any student with an interest in mathematics (not just math majors). It should be fun and informative!

Simulation (Fall '96)

Course: MA490A, 4 credits Instructor: Lynn Kiaer Time: Period 5 MTRF Prerequisite: MA205,212, 311

This course is intended to add a useful tool to the student's analytical toolkit, and provide the necessary background (theoretical framework) so that the tool may be used safely and effectively. Throughout the course the students will use the computer to create simulations of increasingly complex systems, beginning with a simple single-server queuing model, and culminating in a team project. The course is designed to have a good balance of

—Mathematical Theory
randomness
generating random variables
statistical significance

—Mathematical Modeling
standard stochastic models
such as queuing and inventory
non-standard stochastic processes and games

—Applied Mathematics
model validation
input and output
data analysis

any questions? Just send me mail. Lynn.Kiaer@Rose-Hulman.EDU

Introduction to Partial Differential Equations (Fall '96)

Course: MA519, 4 credits Instructor: Kurt Bryan Time: Period 6 MTRF Prerequisite: MA113, 201, 202

This course will revolve around the "Big Three": the wave equation, and Laplace's equation for describing physical phenomena. We'll look at how to model with these equations, how to understand the solutions (even when you can't write them down), and we'll consider simple numerical methods for approximating solutions. I'll use lots of examples drawn from your areas of expertise.

any questions? Just send me mail. Kurt.Bryan@Rose-Hulman.EDU

Letter recalls days gone by

by Frank Pfeiffer
Editor Emeritus

The following is a letter that was given to me recently by the mother of a Rose student.

Dear Mom,

I got your letter a week ago. Sorry I couldn't write before now, but I've been really busy getting settled in. Tell Dad that my old clunker got me here in one piece.

You asked for a description of campus. The college actually sits about a mile from town, so it's pretty quiet out here. The land itself is rather hilly and there are a lot of trees, and a creek runs through campus. There are six residence halls, and the classroom buildings are all hooked together. We eat in a separate dining hall in which three sides are windows, giving a great view of two small lakes. There's an old army-surplus hangar which serves as a gym, and playing fields for various outdoor sports. I'll send some pictures of campus after the leaves turn.

There are about 60 people on my floor. There is one Resident Assistant — a senior — and two Sophomore Advisors. They're great. As soon as I pulled up at the curb, they came out to help me bring in all my stuff. I'm going to find out how to become an SA. I think that'd be neat.

My room measures about 15 by 15 with an 8 foot ceiling, and with two people in each room, it's a bit of a squeeze. The guys next door built a loft to get more space. I think I might do that. Right now the beds are bunked and we each have a desk and a small closet-type space. Someone last year painted the walls of the room to look like graffiti.

I'm trying to think up something to paint over it with.

My roommate is weird. I guess I'll get used to it. I've already made friends with half a dozen guys from my floor. The RA gathers up everyone from the floor every night and we go eat together. We push three tables together and make a lot of racket doing it.

The food could stand some improvement, but it's all-you-can-eat, so after everyone complains they go back for a second helping. You can have the greasy main dish, or just settle for a salad. Don't worry, Mom, I'm eating my vegetables.

When I first got here, we had a couple of days of orientation, where we played games and generally goofed off. They trucked in girls from the all-female school across town. I had a lot of fun, but they failed to mention that within a week we'd be totally swamped with homework. My classes are about the same size as in high school, and some of the profs go by their first name.

Oh, I almost forgot! The other day I was eating breakfast with the guys, and the person across from me had just left. All of a sudden the president of the college brought his tray over and sat down right across from me and said "Hey guys, how's it going?" I'll bet that would never have happened at Purdue.

Well, I'd better go now. Tell Dad to write. If you write and don't get a reply, keep writing. I just don't get much time to write anymore. I miss you both.

I really like being at Rose-Hulman, where I'm a name and not just a number. I'm glad I made that choice.

And you know, I still am. Thanks for keeping this letter, Mom.



The Mechanical Engineering Department is sponsoring the annual Mousetrap Powered Car Race in the Moench Hall Commons Area at 11 a.m.

File Photo

Academic and career successes recognized

Rose-Hulman Institute of Technology will recognize four alumni and two local middle-school teachers for their professional achievements during the college's annual Parent's Day Honors and Awards Banquet.

The banquet will be held tomorrow beginning at 5:30 p.m. in the Hulman Memorial Union.

The banquet also honors 65 Rose-Hulman students for their outstanding academic achievements.

Receiving the 1996 Rose-Hulman Distinguished Young Alumnus Award will be Michael Gambrell, C. Bradley Hunt, and Lt., Col. Brian McCarty.

Gambrell is the corporate director of the Technology Center Administration and Global Process Engineering for Dow Chemical Co.

C. Bradley Hunt is the acting director of operations, Digital Motion Imaging Division, Eastman Kodak Co.

McCarty, a Lt. Col. in the U.S. Air Force, resides as the chief of Environmental, Safety and Occupational Health Planning, HQ Human Systems Division.

Jones is the vice-president and director of systems integration for the Eastern Division of Land Mobile Products Sector, Motorola, Inc.

The award honors the career success of Rose-Hulman alumni who have graduated within the past 20 years.

Two Terre Haute teachers will be recognized for their contributions to secondary education. The recipients include Marilyn Leinenbach, mathematics teacher at Chauncey Rose Middle School and David Nearpass, who teaches music and is the director of bands at Woodrow Wilson Middle School.

Also receiving the teacher award will be Les Fenimore, chemistry and physics teacher, Rushville High School.

American Civil War not what it used to be



**Pete
Papavasiliou**

Thorn
Columnist

During a recent political discussion, I was accused by a friend of being anti-American. He claimed that because I do not support the government of this country, I am an enemy of the United States. He suggested that if I don't like the conditions here in the United States, that perhaps I should leave.

I informed him that I have a deep respect for this nation, and that I believe that the U.S. was the greatest nation that has ever existed. Today, though, the United States is a mockery of its former grandeur. The country that was founded on the principles of freedom, capitalism, and self-reliance has degenerated into a nation of statism, socialism and dependency.

His response was to ask me, "At what point in U.S. history did this transformation occur?"

Often the answer to such a question is not simple. Changes in ideology often take decades if not centuries to have any effect. To pinpoint a single event that fundamentally shifts the political theory of a nation is usually very difficult. In this case, however, an easy answer does present itself.

The decline of American freedom began with the U.S. Civil War.

Most Americans truly believe that the Civil War was fought because of slavery. Although tensions concerning slavery did exist between the North and the South, these were not what caused the war. In fact, the Civil War had been raging for over a year before slavery was raised as an issue in the war. On March 4, 1861, after seven states had seceded, Abraham Lincoln stated in his inaugural address that he had no intention of abolishing slavery. Abraham Lincoln's famous emancipation proclamation came in September of 1862, nearly two years after the first shots of the Civil War were fired.

The Civil War was the result of a disintegration of the ties that bound the states together. Prior to 1860, Abraham Lincoln had been campaigning in favor of high (47%) tariff's to protect Northern industry from the British industrial machine. That tariff would severely hurt the South, a major textile and tobacco exporter. Southern states allied against Abraham Lincoln; Northern states supported him.

In 1860, Abraham Lincoln was elected President, despite the fact that every Southern state voted against him. It was clear to the Southern States that they were no

against them. Nowhere in the Constitution is secession prohibited. The Federal government watched in horror as state after state seceded from the Union, and was powerless to anything about it.

The Civil War officially began on April 12, 1861, when South Carolina fired upon Fort Sumter in an effort to regain its own fort from Union control. The United States declared the attack as an act of treason. In the Constitution, however, a state cannot commit treason against itself. Fort Sumter stood on South Carolina's soil, and the attack therefore was *not* treasonous. The

Americans by force.

Second, the Civil War widened the role of government. Such atrocities as income taxes, welfare programs, national public schooling, and the federal reserve system would have been unthinkable had the South won the war. The limited power of the confederate government would never have been able to exert such control upon its states, and the North would have suffered significantly in the face of the economic freedom of the Confederate States of America.

Finally, the Civil War set the precedent of government action against its own people for the sake of its own preservation. The unlawful invasion of the South set the stage for regulatory legislation depriving the citizenry of freedom in the interests of the preservation of the United States government. Excellent examples of this abounded in the reconstruction of the South, in which the Northerners subjugated the South for years following the war. The federal government was and is perfectly willing and able to hinder Americans' freedoms for its own ends.

Sadly, the Confederates advocated slavery. The North claimed that the Civil War was a victory for slaves in America, but that is far from the truth. Slavery had already begun to decline; many of the South's foremost trading partners had ceased dealing with them because of their slave practices. The South's war effort was sabotaged by

cries for equality were still being heard. Racism was not the cause of the Civil War, and the Civil War was not the cure for racism.

What was really at stake in the Civil War was far more important than many people realize today. The sovereignty of the states, the role of the federal government, and the rights of the individual were all being defended by the South. The power of government abuse, tyranny, and subjugation of individuals were advocated by the North. Totalitarianism won.

Today, the Civil War had spawned the largest government bureaucracy in history. The federal government is the single largest employer in the United States. It taxes our economy at a rate of 40%. We no longer have our cherished freedom; many other countries impose fewer restrictions upon the actions of its citizens than the U.S. We are and have been in economic decline. We have become a mockery of our former state. We are the international symbol of freedom and capitalism, but we have neither.

The story we hear about the Civil War today is not the same as the story you have just read. The North, after its victory, immediately took efforts to publicize its victory. The great defeat of the Southern states became the great victory of the United States. The incredible loss of all American freedoms was ignored; the freedom of slaves was touted. The press of the North was circulated; the Southern presses were silenced. As in any conflict, the history was written by the victor.

That's when America stopped becoming the land of the free. The instant that the federal government declared dominance over its constituents, America began to decline. It is difficult to understand this now, when we sit near the height of our military power, but unless there is another fundamental shift in American politics, historians will look back upon the Civil War as the beginning of the decline of the United States of America.

Pete Papavasiliou (EE '97) is from Skokie, Ill. He was recently a runner up in the prestigious World Dictator for life competition.

The decline of American freedom began with the U.S. Civil War

longer in a position to determine their own political destiny; they were at the mercy of the North. It is for this reason that several of the Southern states decided to secede; they knew they had lost their sovereignty.

The sovereignty of the states of the Union was a major issue in the nineteenth century. The text of the Constitution describes a loose association of sovereign states, allied together for the purpose of common defense and trade. Before the Civil War, states were considered to be independent political entities.

This independence had been tested repeatedly, and held firm. Southern states, under the leadership of John Caldwell Calhoun, had repeatedly fought back the encroachment of Federal government in South Carolina's attempted nullification of the Tariff Acts of 1828 and 1832. South Carolina refused to obey the Federal government's tariffs, and there was no legal action that could be taken against South Carolina, and the Federal government was forced to placate South Carolina by rescinding the tariffs.

When South Carolina and its fellow Southern states attempted to secede from the Union in January of 1861, there was similarly no legal recourse for the United States to take

North, however, realized that it needed an excuse to initiate hostilities, and seized the opportunity to declare war.

In the end, the North stood victorious and the South was shattered. The outcome of the Civil War had dire implications to the future of the United States. The Civil War had established several undesirable precedents.

First, the Civil War established that the states were powerless divi-

We [Americans] have become a mockery of our former state

sions of the Constitutional government. A state could no longer oppose the edict of the Federal government. The loose, voluntary association that the states had agreed to almost a century earlier was now a mandatory obligation. The effect on the citizenry was profound. Just as the self-determination of the states had been annihilated, so too had been the self-determination of the people. They were no longer Americans by choice; they had become

their failure to receive recognition and support from foreign nations, foreign nations which were repulsed by the South's continuing slave trade. It is likely that slave trade would have ended on its own, without Northern intervention. It was very unpopular on the market, and the South would have to abandon it to survive.

Federal legislation did little to alleviate racial tensions in the South. One hundred years later,

Keeping focused on goals makes life easier



Dan West

Thorn
Columnist

As I hung up the phone, I realized that he was the last of them. All of my friends from home were out for the summer. The last one had just finished his last final on Tuesday. Yet here I was, knee-deep in a chemistry lab, knowing that I had another three weeks left before I could go home. Why was I still here? Why did I not go to the University of Michigan, which got out this past week, or Eastern Michigan, which was done two weeks before that?

Okay, it may have been the Legos. I admit, I was impressed when I visited the campus last year. But I was no less impressed when I went to U of M, and that would have been cheaper. By cheaper, I mean about \$10,000 total savings. Michigan started classes two weeks later than Rose-Hulman this year, and they get out about two weeks before. I would also have been close

enough to home to go visit for a weekend, but not so close that my parents could pop in for surprise visits. Granted, I wouldn't have gotten my nifty laptop, but would that have been all bad? Looking at the figures, I am hard pressed to justify my decision to come to Rose. There must be something else.

Perhaps it was the feeling I had. Speaking with people I knew, I realized that University of Michigan graduates are respected, but at the same time they're a dime a dozen. Rose grads, on the other hand, are a rare treasure. They were seen as having something different, a spirit of determination, a drive for success.

Success is something everyone strives for. For you, it could be a passing grade in differential equations. Later, after graduation, it could be a house with a two-car garage and carpet in the living room that doesn't make you want to vomit. Your goal may be a six figure income. However you define success, it is often not something easily obtained. You must work for it, strive to obtain it, and that effort makes the final achievement that much more enjoyable.

Abraham Lincoln once said, "Always keep in mind that your own resolution to succeed is more important than any one other

thing." I believe this is very true. By concentrating on what you want, you are able to discover exactly what it will take you to reach that goal. We all set goals, but it is how we focus ourselves to these goals that defines whether or not we succeed. In the words of Earl Nightengale, "The key to success and the key to failure are the same: we become what we think about..." By concentrating on our goals, we set ourselves in that direction.

I am an Eagle scout, and as many of you know, a major part of earning the rank of Eagle involves developing and completing a project. For my project, I proposed to restore a local cemetery. Many of the headstones in this cemetery dated back to the late 1800's, and the cemetery itself had been abandoned since the 1930's. I wanted to earn the Eagle badge, but I did not focus myself on it. For two years, when my parents asked me if I wanted to earn my Eagle, I would simply say, "Yes." But I never said, "I want to earn my Eagle." The difference between these two concepts is like night and day.

Finally, in the summer before my senior year in high school, I decided that if I wanted to earn my Eagle, I needed to work on it. I developed a plan, defining exactly

what I needed to do and when I needed to do it. As a result, I completed the requirements for my Eagle rank several weeks before my 18th birthday, the final deadline.

The point I am trying to make is that if we do not actively pursue our goals, we will never reach them. They never come to us without effort on our part, if anything our inactivity moves them farther away. The only way to reach them is to decide exactly what your goal is, then determine what you must do to reach your goal. After that, the only thing left is to follow through.

Following through is no less important, however. A chain is only as strong as its weakest link. Similarly, if you don't follow through, your goal is no closer and the time and energy you spend figuring out how to achieve your goal is wasted. Don't be intimidated by what you have to do to achieve your goal, because that just makes your goal that much harder to achieve. As an illustration, consider the following story.

Many years ago, in China, a young man went to a great karate master and asked him, "Master, how long will I have to study to become a master?"

The master, after looking at the man for a moment, said, "Ten

years."

"Ten years?" the man said. "What if I work twice as hard and study twice as much, how long will it take me then?"

The master answered, "Twenty years."

"Twenty years?" the young man asked incredulously. "What if I work five times as hard and study five times as much?"

"You will not live that long."

"WHAT?!" the young man exclaimed. "I don't understand. When I say I will work twice as hard, you say it will take twice as long to become a master, and when I say I will work five times as hard, you say I won't live long enough to become a master. Why will it take longer if I work harder?"

"A man who has one eye on the path can only have one eye set on the goal at the end."

Dan West (CH '99) is from Fenton, Mich. He enjoys hiking and camping and playing tennis very badly.

Parents were designed to be annoying



Kent Bye

Thorn
Columnist

Coming to college for me was like being released from a 17-year in-depth observational study conducted by two obsessed parents. Throughout all of grade school and high school my parents followed me around to everything in which I was involved. They were band parents who went on every trip and camp, they went to every tennis match and baseball game for every league I was ever in, and they volunteered to be parent chaperones whenever they could. Everywhere I went they were right there breathing down my neck, and I couldn't escape them until I came to college.

My parents were always there for me, but it was annoying more than anything. They always wanted

to know everything that was related to school, athletics, and my social life. I'd always receive the third degree in questioning from them which prevented me from answering any of their questions because each response would lead to at least two more questions. I also had to be sure that both of them were present before I started into an answering session or else I would have to answer every question twice since they always seem to ask the same questions.

My father always had a camera in his hand to take photo documentation of everything that I did as if he was reliving his glory years through me. He would take tons of pictures of me and my friends, and then have the film developed by the next day. He would then give me the pictures of my friends so that I could deliver them to my friends. All of my friends love my parents because they are always kind and thoughtful, but their extreme generosity sometimes gets in the way.

A prime example is when my friend and I went down the street to play some one-on-one basketball while my mother

was cooking some rolls. As soon as the first batch got done, my father comes marching down the alley with a hot plate of tasty Latvian rolls while my friend and I were in a middle of a game. I reluctantly took a break to eat, and my friend jokingly says to my father, "So where are the drinks?" My father disappeared when we started to play again, and he came back a couple of minutes later with six cans of soda pop. He had two cans each of three different types of soda pop for us to choose what to drink. It was nice of him to do this, but it perturbed me that he had to interrupt me in the middle of doing something just to test his limits of kindness.

Another example happened at the beginning of the year when my parents came from Indianapolis to visit me three weekends in a row. My father started socializing with all of my fraternity brothers, and then decided that the

tries so hard to please me, and he does so many things that it turns out to be too many things. I never really ever showed much appreciation to thank my father whenever he'd do something for me, because I thought it would just drive him to do more unnecessary things. It wasn't until I really thought about what I had going for me that I decided to express my appreciation.

I once heard a man tell me a story of how his father always taught him to never reveal his emotions, and that he had never told his father that he loved him. It took him over fifty years to build enough courage to finally speak those three little words that are so hard to say. After he finally whispered the words to his father, he saw a sight he thought he'd never see. Tears were bursting from his father's eyes, and the two embraced in a hug for the first time ever.

It wasn't until I heard his story that I really thought about everything that my parents do for me, and how much I love them. I had to give them a phone call to tell them what I had just heard, and I had to tell them that I loved them.

This brought tears to my parent's eyes when I said this because it had been so long since they had heard this from me.

My folks are truly the best parents that I could ever ask for, but I haven't always treated them like I should. I've realized that parents were designed to be annoying, and that there is something wrong if they are not because it is their way of expressing their love for you. I used to think that my parents do too much for me, but I've decided that you can never do too much. I don't realize how lucky I really am because I've never experienced what it is like to have bad parents. I'm glad I've had the chance to tell my parents how much they've literally shaped and formed my life, and not just changed it. I know that there are so many people out there that haven't.

Kent Bye (EE '98) now has his writings on his homepage at ~byeke. He is a Pike from Beech Grove, IN and enjoys inspirational writing, skiing, table tennis, basketball, softball, tennis, baseball and trying new and different things.

As soon as I lost track of my dad, he was off washing windows in the fraternity house

entire house needed to be vacuumed. He bought the fraternity a industrial vacuum, and came back the next week to deliver it. On the third week, they came to visit and as soon as I lost track of my dad, he was off washing windows in the house. Everyone loved to see him around doing work on the house except for me.

I made it clear that I didn't want them coming down to hang out every weekend, and I think they got the hint. Despite this fact that I got the message across, I still couldn't stop him from coming down again during the winter. My mom asked me over the phone if it was cold in my room, and I briefly mentioned that it was a bit chilly. My dad suggested that he come down and patch up the vent to contain the heat, but I insisted that they shouldn't come down because it really wasn't that bad. The next thing I know he was here on a ladder on top of the roof patching up the vent on a windy winter day.

Both my parents would take a bullet for me, but I have always pushed them away and resisted them because I am tired of them smothering me. My father

'I'm a good kid, I swear'



Eric Schmidt

Thorn
Columnist

1340987

Man, that picture does me absolutely no justice. They shouldn't have used my mug shot. Notice I got arrested with my Rose baseball cap on. Anyway, I started thinking about how an unexpected visit from the folks might turn out—and right in time for Parents' Weekend, too! After nearly a full year of the Rose experience, this one nearly wrote itself (no offense). Sorry if I hit a little too close to home.

Dropping In

Um, hi there, mom and dad
You see, you got here rather soon,
I didn't have the ample time
To gather up my room

Don't you mind the empty bottles
They're my roommate's, man, I swear!
You know I never even listen
When he asks me that I share!

The incense? I'm just burning that
To cover up the reek
Of the laundry that's been lying here
For well over a week.

Should you worry 'bout the condoms
In my drawer? Well, that depends—
Would you believe me if I told you
They're a gag gift from a friend?

Hold on a sec! You just arrived!
Why must you leave so soon?
It's easier to study
With a party in my room!

I'm a good kid, guys, I swear it
And I promise that I'll pass!
I just need to figure out a way
To stay awake in class...

Eric Schmidt (ME '99) is from Colorado Springs. He has stated that in the past year he has learned life-long skills such as the intricacies of Euchre. Unfortunately, he will be leaving Rose at the end of year. He and his poetry will indeed be missed. Thanks Schmitt!

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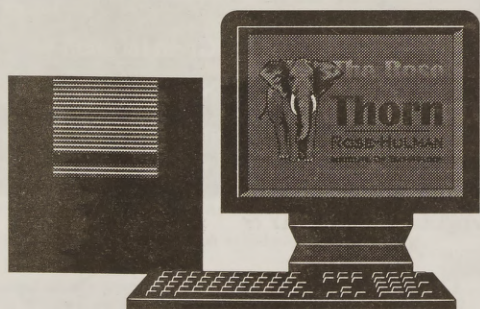
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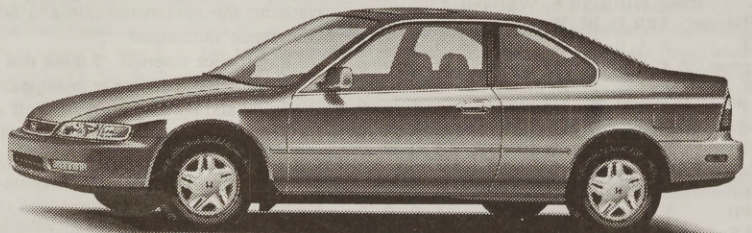


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Tryon, Rose armed and ready for DePauw twinbill

by Joel Gillespie
Sports Editor

DePauw University and Rose-Hulman separated themselves from the ICAC pack early on in the season. Now these conference frontrunners are set to do battle this Saturday at 1 p.m. at Art Nehf Field in the ICAC finale, with the regular-season title and the top seed in the postseason tournament on the line.

The Engineers (23-10 overall, 9-1 ICAC) held onto first place going into this doubleheader by sweeping Wabash College in a twinbill this past Sunday. The Engineers once again benefited from solid pitching by the left-and-right combination of Eric Tryon and Matt Sims in the victories.

DePauw (22-5 overall, 8-2 ICAC) has had success this season because they have a solid-hitting team from top to bottom. The Tigers scored 8 and 12 runs in two nonconference victories over the Engineers earlier this season. They hit .316 as a team, compared to .308 for the Engineers, and they score an average of 7.5 runs per game.

At the plate, DePauw is led by power-hitting outfielders Tom Heldt and Greg Seitz, who have combined for seven home runs and 51 RBIs this season. Designated hitter Adam Dill, shortstop Eric Peterson, and first baseman Brian Shannon also carry batting averages of .350 or higher for the Tigers.

So far in the conference season, DePauw's offensive might have overshadowed its sometimes shaky pitching.

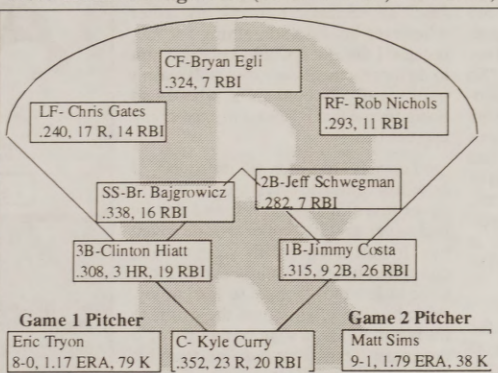
Engineer shortstop Brian Bajgrowicz commented,

Game 1												
Rose-Hulman 4, Wabash 3												
Rose-Hulman	AB	R	H	BI	Wabash	AB	R	H	BI			
Egli, CF	3	0	0	0	Rodriguez, 2B	3	0	0	0			
Schwegman, 2B	4	1	1	0	Bowers, PH	1	0	1	2			
C. Hiatt, 3B	3	0	0	0	Hartman, SS	3	0	0	0			
Tryon, P	3	1	0	0	Wilhelm, LF	3	0	0	0			
Curry, C	4	1	1	0	Derrickson, 1B	3	1	1	0			
Costa, 1B	2	0	2	2	Baloski, RF	3	0	2	0			
Nichols, RF	3	1	1	0	Judd, C	3	0	0	0			
Gates, LF	3	0	0	0	Kirchner	3	1	1	1			
Bajgrowicz, SS	3	0	1	1	Warren, DH	3	0	1	0			
					Mackin, CF	1	0	0	0			
					Reynolds, PH	1	1	1	0			
					Smith, P	0	0	0	0			
Totals	28	4	6	3	Totals	27	3	7	3			
										R	H	E
										1	2	3
Rose-Hulman.....	1	2	3	4	5	6	7					
Wabash.....	0	0	0	2	0	2	0					
E- Tryon, Hartman, Judd, Kirchner, Rodriguez. LOB- Rose												
7, Wabash 5. 2B- Costa, Reynolds. SB- Baloski. CS- C.												
Hiatt, Rodriguez. SH- Mackin.												
Rose-Hulman												
Tryon, W(8-0)	IP	H	R	ER	BB	SO						
	7	7	3	1	1	10						
Wabash												
Smith, L (4-5)	7	6	4	3	4	6						
WP- Tryon. PB- Curry.												

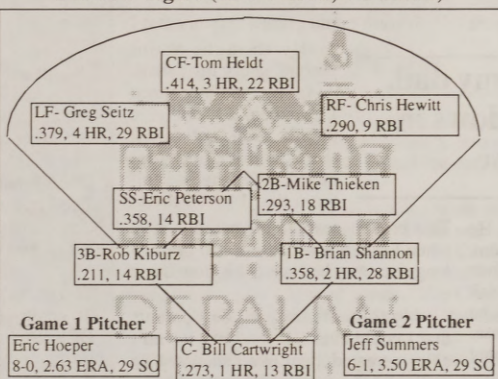
Game 2												
Rose-Hulman 6, Wabash 3												
Rose-Hulman	AB	R	H	BI	Wabash	AB	R	H	BI			
Egli, CF	3	1	0	0	Rodriguez, 2B	3	1	0	0			
Schwegman, 2B	4	0	2	2	Hartman, SS	4	1	0	0			
C. Hiatt, 3B	2	1	1	1	Reynolds, CF	2	0	0	0			
Tryon, P	4	1	2	0	Mackin, CF	2	1	1	0			
Curry, C	2	0	0	0	Derrickson, 1B	3	0	2	2			
Costa, 1B	3	1	1	2	Cromer, DH	3	0	1	0			
Nichols, RF	3	1	1	0	Paney, DH	1	0	0	0			
Gates, LF	3	0	0	0	Baloski, RF	2	0	2	0			
Veale, PH	1	0	0	1	Bowers, RF	1	0	0	0			
Clark, LF	0	0	0	0	Wilhelm, LF	4	0	1	0			
Bajgrowicz, SS	4	1	1	0	Judd, C	3	0	1	0			
Sims, P	0	0	0	0	Kirchner, 3B	2	0	0	0			
Cain, P	0	0	0	0	Warren, P	0	0	0	0			
					Tonovitz, P	0	0	0	0			
Totals	28	4	6	3	Totals	27	3	7	3			
										R	H	E
										1	2	3
Rose-Hulman.....	1	0	1	0	0	3	1			6	8	3
Wabash.....	0	0	0	0	3	0				3	8	2
E- C. Hiatt, Cain, Schwegman, Derrickson, Tonovitz. LOB- Rose 9, Wabash 11. SB- Tryon. CS- Tryon.												
Rose-Hulman												
Sims, W (9-1)	IP	H	R	ER	BB	SO						
Cain, S (2)	1.1	1	0	0	0	2						
Wabash												
Warren, L (1-3)	4	4	2	2	4	3						
Tonovitz	2	3	4	4	2	2						
Hartman	1	1	0	0	0	0						
WP- Sims, Tonovitz. HBP- Egli, Baloski, Derrickson.												

DePauw at Rose-Hulman Probable Starters

Rose-Hulman Engineers (23-10 overall, 9-1 ICAC)



DePauw Tigers (22-5 overall, 8-2 ICAC)



"They are definitely not overpowering, and not the best we've ever faced."

The Tigers carry a 4.43 ERA in ICAC games, and surrendered 17 runs in one doubleheader against Anderson. Rose held those same Ravens scoreless for an entire twinbill two weeks ago.

Eric Hooper and Jeff Summers, both right-handers and the probable starters against the Engineers, are a combined 13-3 on the season. Cole Dunnick has come out of the bullpen to save seven games and record a 2-0 record. Dunnick has struck out 16 batters in only 11-2/3 innings of work this season.

In order for the Engineers to continue their hot streak and overcome the Tigers, they must get outstanding efforts from Tryon and Sims, although such outings are almost expected for the 17-1 duo.

"We want to go out and beat DePauw because they've beat us twice, because we want to host the conference tournament, and we want them to know they have to come back next week so we can beat them again," said Bajgrowicz.

If the games turn into slugfests, as the first two did, then Rose is at a disadvantage. However, if the Engineers play solid defense and hit the ball well, they stand an excellent chance of claiming the conference title and hosting the conference tournament.

Bajgrowicz asserted, "I think that when we clean our defense up, we're unstoppable."

Tryon and the Engineers held off a late Little Giant rally in the opening game of the doubleheader and emerged with the win, 4-3. First baseman Jimmy Costa had a two-run single in the fourth inning, and the Engineers scored two more in the sixth. They entered the bottom of the seventh with a 4-1 lead and the game seemingly in hand for the cruising Tryon.

However, the Little Giants scored two before the Engineers were able to shut the door. Rose benefited from four Wabash errors in the victory. Costa was 2-for-2, including a double, and Jeff Schwegman, Rob Nichols, Kyle Curry, and Bajgrowicz picked up a knock apiece in the Engineers' six-hit attack.

In the second game, Sims didn't give up an earned run in 5-2/3 innings of work and freshman Andy Cain mopped up for his second save as the Engineers prevailed, 6-3. Rose got eight hits, all singles, including two each for Schwegman and Tryon, in the victory.

Engineer southpaw having dream season

by Dan Hohne
Sports Reporter

Eric Tryon is one of the biggest reasons that the Rose-Hulman baseball team is in a position to win its first outright ICAC regular-season title. Tryon has led the Engineers on the mound, at the plate, and in the field this season, and there's nothing he wants more than to beat DePauw this Saturday.

Tryon will take the hill in the first game for the Engineers. He is currently 8-0 with a 1.17 ERA.

He is approaching the career wins record, has already reached the career strikeouts school record, as well as career complete games, and he is still a junior.

He doesn't let records get in the way though; the Rose hurler says, "I look at every game like I am pitching against the best team out there. And DePauw is just that."

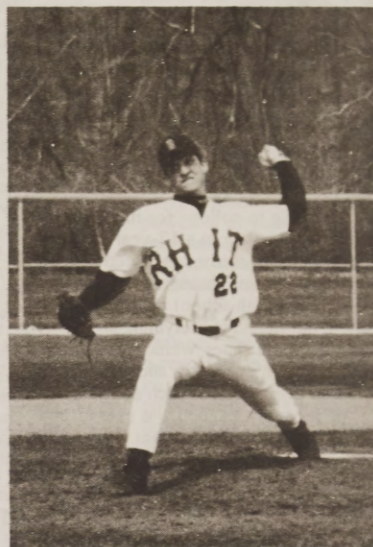
DePauw has an 8-2 Conference record going into this game. They beat the Engineers twice in 9-inning games which do not count in the standings.

Tryon says, "defense played a role in those two games." He says that defense has been important all season and will be a key to Saturday's games. "We have all our offense back from last year. It's the defense that is struggling a bit."

Tryon's hitting has improved greatly from last season. Eric leads the team in hitting with a .360 batting average, including a .536 average in ICAC games. He also got hits in eight consecutive at-bats earlier this season.

When asked what he has done differently this year, the Terre Haute native says, "I am not trying to hit the ball hard all the time, and I am waiting for good pitches."

Tryon says fan support could be a big boost for the Engineers. "Fans can definitely play a major role. DePauw is going to come out loud, and maybe our fans can quiet them down a bit."



Eric Tryon leads the Engineers in nine statistical categories.

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Sports Briefs

Rose takes lead in All-sport Trophy Race

Rose-Hulman's third-place finish at the Indiana Collegiate Athletic Conference Men's Track & Field Championships vaulted the Engineers into first place in the race for the league's men's all-sports trophy. Rose-Hulman moved 1/2 point ahead of DePauw by topping the Tigers by one point in the track & field championship.

Men's ICAC All-Sports Standings

- 1) Rose-Hulman 38
- 2) DePauw 37.5
- 3) Wabash 32
- 4) Manchester 31
- 5) Hanover 27
- 6) Anderson 22
- 7) Franklin 20.5

Tennis Ends Breakthrough Season

Rose-Hulman's men's tennis team completed the program's most successful season in recent history, maybe in school history. The Engineers finished the year with a third-place finish at the five-team Augustana Invitational - despite having just five participants at the meet. Rose-Hulman boasted a dual-meet record of 8-1 heading into the Augustana Invite, and Head Coach Dan Hopkins' team had its highest finish ever (2nd) at the Indiana Collegiate Athletic Conference Championships a week earlier.

Golfers finish season; Miller awaits nationals call

The Rose-Hulman golf team finished their season with a 6th place finish at the Illinois Wesleyan Invitational over the weekend. Freshman sensation Joe Miller shot rounds of 80-82, which he hopes is enough to qualify him for the NCAA III national tournament. The decision will be made May 8. Gavin Smith closed out his freshman year with rounds of 80-87, while Sam Giordano shot 88-84, Brad Mickschl went 90-88, and Brad DeBruler carded rounds of 95-84.

Hill, Ricklefs, Loftus win ICAC titles

by Mark Law
Sports Reporter

Rose-Hulman finished a strong third in the Indiana College Athletic Conference track and field championships to put the Engineers a half a point ahead of DePauw for the All-Sports Trophy.

Engineer Head Coach Bill Welch was pleased with his team's efforts. "It is always rewarding and gratifying when athletes rise to the occasion with outstanding performances in a championship meet. We went in seeded for 85 points and came out with 96," he praised.

Arvont Hill led the Engineers with 19 1/2 points, winning the 100 meter dash, placing third in the 200, and adding strong legs in the 4 x 100 and 4 x 400 relays.

Rose took three individual events, Ryan Loftus and Troy Ricklefs repeated as champions in the pole vault and hammer throw, respectively, joining Hill as conference champions.

Ricklefs provisionally qualified for the NCAA III national meet with his title-winning hammer toss of 171' 4".

Loftus not only won the pole vault, going 15' 0-3/4" in less than ideal facility conditions, but stepped into the triple jump and jumped to a third-place finish.

After eleven events, Rose-Hulman and DePauw were tied at 45, but the Engineers burst ahead with strong performances in the 100 final by Hill and Jerome Williams. They repeated with solid performances in the next three events: the high hurdles, 200 meters, and the intermediate hurdles.

Shawn Walton had a third in both hurdles events and Hill teamed up with Tony Hinkle for a third and fourth in the 200 meters.

Loftus was a key factor for the Engineers as well, taking six big points in an unfamiliar event, the triple jump. That boost gave the Engineers an insurmountable 20-point lead over the Tigers.

Even though the meet title or scoring did not hinge on the last event, the 4 x 400 relay, you wouldn't have



Troy Ricklefs worked hard year-round to win the ICAC hammer throw title. He's shown here with a 35-lb weight during the indoor season.

noticed. Anderson, Rose-Hulman, and Wabash were nip and tuck all the way, but the Ravens prevailed by a small margin, followed closely by the Engineers and Little Giants.

Welch noted, "There is no better way to end a track meet than to have an exciting 4 x 400 relay. It was a voice buster; everyone was shouting to hoarseness."

Nikki Overman scored the only points for the women's team, garnering a second place in the hammer and a fifth in the discus. Those tallies boosted them ahead of Franklin for fifth place in their first appearance at the conference meet.

"Nikki had a good day in the hammer, tossing it over 120 feet. This being her first year with the new event, she did a good job," commented Welch.

ICAC Track Championship Results

Competitor	Event	Time/Dist.	Place
Ryan Loftus	Pole Vault	15' 0-3/4"	1st
Troy Ricklefs	Hammer	171' 4"	1st
Arvont Hill	100 M Dash	10.96	1st
Nikki Overman	Hammer	119' 5"	2nd
Men	4 x 100 Relay	42.80	2nd
Men	4 x 400 Relay	3:25.3	2nd
Arvont Hill	200 M Dash	22.29	3rd
Shawn Walton	110 M Hurdles	15.58	3rd
Shawn Walton	400 M Hurdles	56.5	3rd
Ryan Loftus	Triple Jump	43' 6-1/2"	3rd
Mark Dudley	High Jump	6' 2-1/4"	3rd
Doug Kaltenmark	Pole Vault	12' 7-1/2"	4th
Tony Hinkle	200 M Dash	22.32	4th
Mark Dudley	Pole Vault	12' 7-1/2"	4th
Jerome Williams	100 M Dash	11.32	5th
Curtis Craig	Discus	130' 8"	5th
Nikki Overman	Discus	95' 5"	5th
Randy Johnson	110 M Hurdles	16.38	6th
Paul Olsen	Shot Put	41' 8-3/4"	6th

Classified Advertisements

FOR RENT:

NOW RENTING: Big houses with 3 to 8 bedrooms, large: lr, dr, kitchen, study room, 2+baths, air dishwasher, stove & fridge with all furniture including beds and desks, etc. All in excellent neighborhoods and convenient to campus. We cater to Rose students and references for you. Alumni owned. (812) 988-6198.

3 houses for rent for next school year- May to May. 4, 5, or 6 bedrooms close to campus. Call 232-2488 anytime.

Very clean 1-bedroom house, close to campus, off-street parking, security light, knotty pine paneling, nice quiet neighborhood, reasonable. Call 235-2750.

House for rent: 2-5 bedrooms, good location, off-street parking, stove, refrig, w/d hookups. Avail. June 1. \$165-185/ person. Call 234-2471.

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Lovely 2 bedroom home near campus with air and w/d hookups. No pets. \$350/ mo. plus dep. Call 234-7655.

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Microwave. \$50. Call ext. 8213 or 894-3181.

486 Dx/4 100 MHz w/ 20 MB RAM & 344 MB Hard drive, x8679 ask for Rob.

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FOUND:

NFL jacket found in classroom three months ago - see Peggy in Moench D219 or call X8349.

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Typing Service, professional-looking documents tables, brochures, merge mass mailing, forms, newsletter, resumes, & etc. No job too big or small. 877-1672, if no answer please leave a message.

WANTED:

EE Circuits willing to work on repairing electric Wersi organs (technical support is available) Call Donna Gustafson 877-8275.

EVENTS:

Centenary United Methodist Church, located at 301 N. 7th Street just

northwest of ISU's Hulman Center and north of the United Ministries Center, now has a SATURDAY EVENING SERVICE at 5:30 in the fellowship hall, which can be accessed through the door on the east side of the church. The service lasts 40-45 minutes, dress is casual, and ALL ROSE-HULMAN STUDENTS ARE WELCOME.

POLICIES:

The Rose Thorn offers classified advertisements less than 30 words free to Rose-Hulman students, faculty, and student organizations. For submissions of more than 30 words, each additional word is \$0.10.

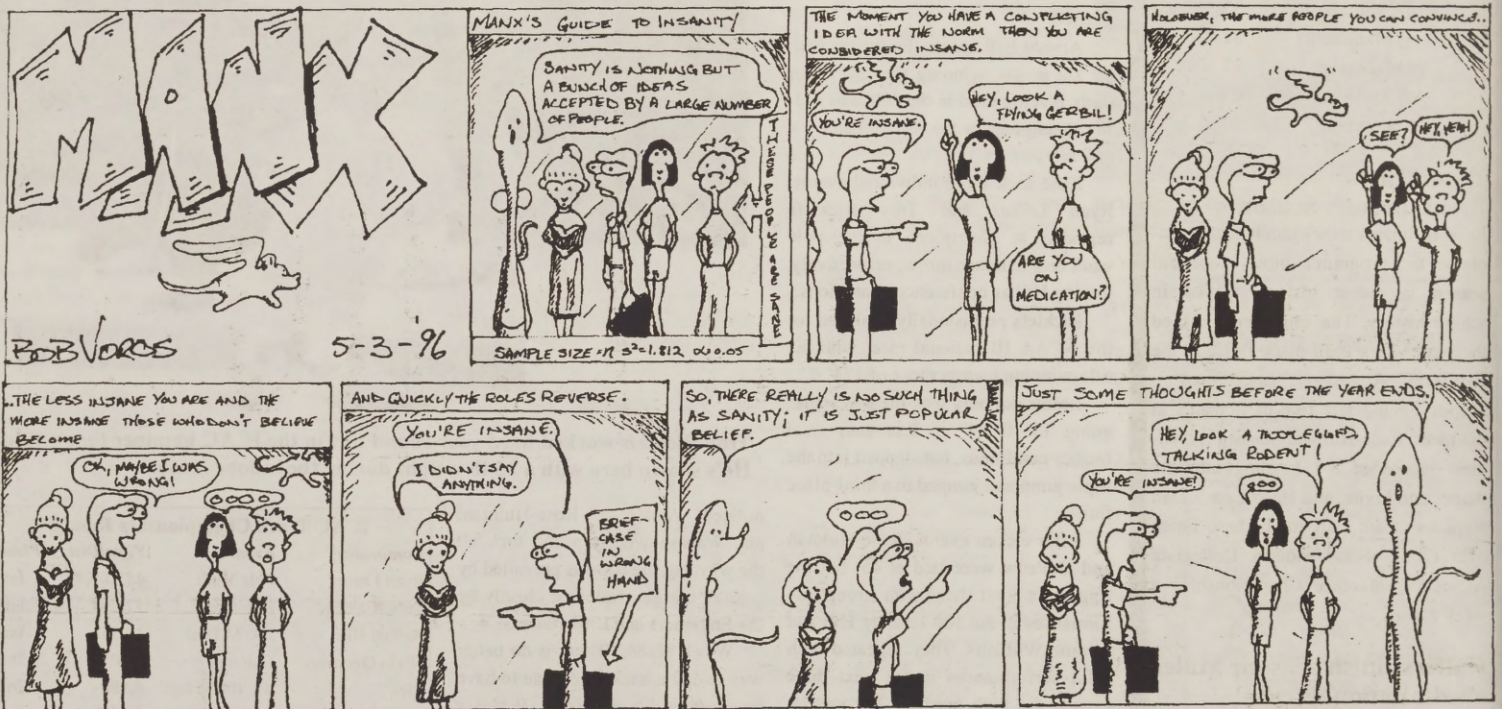
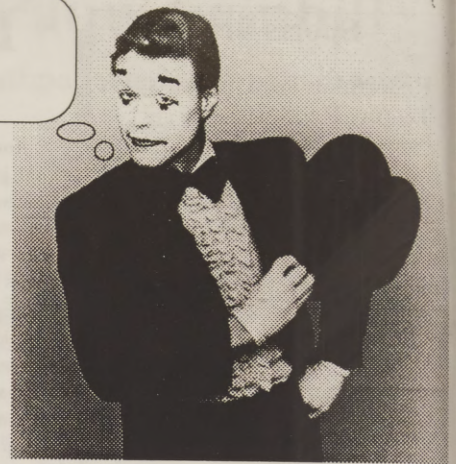
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Submissions may be made at the Thorn office (room C216), through the Thorn Box 2034, by e-mailing thorn@rose-hulman.edu, or by calling the Thorn at ext. 8255. Deadline for submissions is 5 p.m. the Wednesday prior to publication. Runs over one week must be renewed weekly by contacting the Thorn office, unless prior run arrangements have been made.

Top Ten Words that Rhyme in Canada

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9. Nice-heh
8. Hockey
7. long-live-the-Queen-heh
6. CND
5. Mapleleafs
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1. O-Tay



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